

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Toyoki UE et al. Prior Art Unit 2684  
Serial No.: Continuation of Prior Examiner A. Gantt  
Appln. Serial No.  
09/648,756  
Filed: January 29, 2002  
For: RADIO COMMUNICATION DEVICE AND METHOD OF  
CONTROLLING TRANSMISSION RATE

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Please amend the above-captioned application as follows:

IN THE SPECIFICATION

Above line 1, insert the following new paragraph:

--This is a continuation of application serial number  
09/648,756 which is a continuation of application serial number  
09/424,843.--

IN THE CLAIMS

Please cancel claims 1-30, without prejudice or disclaimer.

Please add the following new claims 31-35:

--31. A transmission rate control apparatus comprising:  
reception circuitry that receives a received quality measured  
at a communication terminal; and

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transmission rate control circuitry that changes a transmission rate to said communication terminal based on the received quality,

wherein said transmission rate control circuitry decreases the transmission rate when the received quality at a side of said communication terminal deteriorates rapidly.

32. The transmission rate control apparatus according to claim 31, wherein, after said transmission rate control circuitry decreases the transmission rate when the received quality at a side of said communication terminal deteriorates rapidly, said transmission rate control circuitry changes the transmission rate to an original value when the received quality at the side of said communication terminal subsequently improves.

33. A base station apparatus provided with a transmission rate control apparatus, said transmission rate control apparatus comprising:

reception circuitry that receives a received quality measured at a communication terminal; and

transmission rate control circuitry that changes a transmission rate to said communication terminal based on the received quality,

wherein said transmission rate control circuitry decreases the transmission rate when the received quality at a side of said communication terminal deteriorates rapidly.

34. The base station apparatus according to claim 33, wherein, after said transmission rate control circuitry decreases the transmission rate when the received quality at a side of said communication terminal deteriorates rapidly, said transmission rate control circuitry changes the transmission rate to an original value when the received quality at the side of said communication terminal subsequently improves.

35. A communication terminal apparatus comprising:  
monitor circuitry that monitors a received quality;  
judgment circuitry that judges whether the received quality deteriorates; and

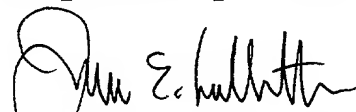
transmission circuitry that transmits the received quality at a timing at which said judgment circuitry judges that the received quality deteriorates.--

REMARKS

New claims 31-35 highlight patentable features of the present invention.

Early and favorable consideration of this application are respectfully requested.

Respectfully submitted,



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